

Icelandic Implementation Plan

Atmospheric

Temporal trend monitoring of trace metals and POPs.

Parameters	Frequency	Location/Comments
Air/ Cd, Cu, Zn, Pb, Cr, Ni, Al, As, Mn, Hg, Fe, V, Cl, NO ₃ , SO ₄ HCHs, DDTs, PCBs, HCB, Chlordans, Dieldrin,	12-24/year	Vestmanna islands/Írafoss/Reykjavík
Precipitation Na, K, Mg, Ca, Cr, Cu, Zn, As, Cd, Pb, Ni, Br, F, Fe, V, Al, Mn, Cl, NO ₃ , SO ₄ , NH ₄ , pH, conductivity HCHs, DDTs, PCBs, HCB, Chlordans, Dieldrin	12-24/year	Vestmanna islands/Írafoss/Reykjavík

Marine Biota AMAP/OSPAR

Temporal trends and spatial variation of heavy metals and POPs.

Parameters	Frequency	Location/Comments
Hg, Cd, Cu, Pb, Zn, Se, As PCB, HCH, HCB, DDT, Chlordan, Toxaphen (Parlar 26, Parlar 50)	Yearly	cod from 4 areas, blue mussel 7 locations, dab from 3 areas
Radioactivity: 137-Cs in seawater and seaweed (<i>Asophyllum nodulus</i>)	Yearly	Seaweed from 4 locations

Freshwater

Temporal trends in rivers in southern part of Iceland

Parameters	Frequency	Location/Comments
Flow, suspended material, pH, alkalinity, POC, DOC, Na, K, Ca, Mg, Si, Cl, SO ₄ , NO ₃ , NO ₂ , NH ₄ , PO ₄ , N _{total} , P _{total} , Al, F, Fe, Mn, Sr, Ti, As, Ba, Cd, Co, Cr, Ni, Cu, Zn, Mo, Hg, Pb.	6- 7times/year	Two rivers; Þjórsá and Ölfusá

Human Health monitoring programme.

Blood samples from expectant mothers will be collected and analysed for various persistent organic pollutants, data on age, seafood and seabird consumption, life style factors, fertility and birth weight and birth length are also collected.

Surveys and supporting studies

Survey of lakes

Survey including 18 lakes where following parameters were measured: conductivity, pH, alkalinity, TOC, Na, K, Ca, Mg, Fe, Al, SiO₂, Cl, F, SO₄, NO₃-N, PO₄-P, N_{total}, P_{total}.

Survey of rivers in the eastern part of Iceland.

The survey is done in cooperation with Science Institute, University of Iceland, Division of Geology and National Energy Authority, Hydrological Service Division. The survey includes three main rivers and some tributary rivers and parameters measured include; flow, suspended material, pH, alkalinity, POC, DOC, Na, K, Ca, Mg, Si, Cl, SO₄, NO₃, NO₂, NH₄, PO₄, N_{total}, P_{total}, Al, F, Fe, Mn, Sr, Ti, As, Ba, Cd, Co, Cr, Ni, Cu, Zn, Mo, Hg, Pb.